RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/539,105A
Source: IFW
Date Processed by STIC: 7/17/06

ENTERED

IFWP

RAW SEQUENCE LISTING DATE: 07/17/2006
PATENT APPLICATION: **US/10/539,105A** TIME: 11:01:51

Input Set : **A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt**
Output Set: **N:\CRF4\07172006\J539105A.raw**

```
      3 <110> APPLICANT: Molero, Juan C
      4       James, David
      6 <120> TITLE OF INVENTION: Methods of treatment of feeding disorders or disorders of
glucose
      7       uptake and for modifying metabolism and identifying therapeutic
      8       reagents therefor
     10 <130> FILE REFERENCE: 42-000200US
     12 <140> CURRENT APPLICATION NUMBER: US 10/539,105A
C--> 13 <141> CURRENT FILING DATE: 2005-06-15
     15 <150> PRIOR APPLICATION NUMBER: AU 2002953393
     16 <151> PRIOR FILING DATE: 2002-12-16
     18 <150> PRIOR APPLICATION NUMBER: AU 2003906285
     19 <151> PRIOR FILING DATE: 2003-11-14
     21 <150> PRIOR APPLICATION NUMBER: PCT/AU2003/001676
     22 <151> PRIOR FILING DATE: 2003-12-16
     24 <160> NUMBER OF SEQ ID NOS: 261
     26 <170> SOFTWARE: PatentIn version 3.3
     28 <210> SEQ ID NO: 1
     29 <211> LENGTH: 153
     30 <212> TYPE: PRT
     31 <213> ORGANISM: artificial
     33 <220> FEATURE:
     34 <223> OTHER INFORMATION: disrupted mouse Cbl protein
     36 <400> SEQUENCE: 1
     38 Met Ala Gly Asn Val Lys Lys Ser Ser Gly Ala Gly Gly Gly Gly Ser
     39 1               5                  10                  15
     42 Gly Gly Ser Gly Ala Gly Gly Leu Ile Gly Leu Met Lys Asp Ala Phe
     43             20                  25                  30
     46 Gln Pro His His His His His His Leu Ser Pro His Pro Pro Cys Thr
     47         35                  40                  45
     50 Val Asp Lys Lys Met Val Glu Lys Cys Trp Lys Leu Met Asp Lys Val
     51     50                  55                  60
     54 Val Arg Leu Cys Gln Asn Pro Asn Val Ala Leu Lys Asn Ser Pro Pro
     55 65                  70                  75                  80
     58 Tyr Ile Leu Asp Leu Leu Pro Asp Thr Tyr Gln His Leu Arg Thr Val
     59                 85                  90                  95
     62 Leu Ser Arg Tyr Glu Gly Lys Met Glu Thr Leu Gly Glu Asn Glu Tyr
     63             100                 105                 110
     66 Phe Arg Val Phe Met Glu Asn Leu Met Lys Lys Thr Lys Gln Thr Ile
     67         115                 120                 125
     70 Ser Leu Phe Lys Glu Gly Lys Glu Arg Met Tyr Glu Glu Asn Ser Gln
     71     130                 135                 140
     74 Pro Arg Arg Asn Leu Thr Lys Leu Ser
     75 145                 150
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Input Set : **A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt**
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78 <210> SEQ ID NO: 2
79 <211> LENGTH: 896
80 <212> TYPE: PRT
81 <213> ORGANISM: Mus musculus
83 <400> SEQUENCE: 2
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86 1 5 10 15
89 Gly Gly Ser Gly Ala Gly Gly Leu Ile Gly Leu Met Lys Asp Ala Phe
90 20 25 30
93 Gln Pro His His His His His His Leu Ser Pro His Pro Pro Cys Thr
94 35 40 45
97 Val Asp Lys Lys Met Val Glu Lys Cys Trp Lys Leu Met Asp Lys Val
98 50 55 60
101 Val Arg Leu Cys Gln Asn Pro Asn Val Ala Leu Lys Asn Ser Pro Pro
102 65 70 75 80
105 Tyr Ile Leu Asp Leu Leu Pro Asp Thr Tyr Gln His Leu Arg Thr Val
106 85 90 95
109 Leu Ser Arg Tyr Glu Gly Lys Met Glu Thr Leu Gly Glu Asn Glu Tyr
110 100 105 110
113 Phe Arg Val Phe Met Glu Asn Leu Met Lys Lys Thr Lys Gln Thr Ile
114 115 120 125
117 Ser Leu Phe Lys Glu Gly Lys Glu Arg Met Tyr Glu Glu Asn Ser Gln
118 130 135 140
121 Pro Arg Arg Asn Leu Thr Lys Leu Ser Leu Ile Phe Ser His Met Leu
122 145 150 155 160
125 Ala Glu Leu Lys Gly Ile Phe Pro Ser Gly Leu Phe Gln Gly Asp Thr
126 165 170 175
129 Phe Arg Ile Thr Lys Ala Asp Ala Ala Glu Phe Trp Arg Lys Ala Phe
130 180 185 190
133 Gly Glu Lys Thr Ile Val Pro Trp Lys Ser Phe Arg Gln Ala Leu His
134 195 200 205
137 Glu Val His Pro Ile Ser Ser Gly Leu Glu Ala Met Ala Leu Lys Ser
138 210 215 220
141 Thr Ile Asp Leu Thr Cys Asn Asp Tyr Ile Ser Val Phe Glu Phe Asp
142 225 230 235 240
145 Ile Phe Thr Arg Leu Phe Gln Pro Trp Ser Ser Leu Leu Arg Asn Trp
146 245 250 255
149 Asn Ser Leu Ala Val Thr His Pro Gly Tyr Met Ala Phe Leu Thr Tyr
150 260 265 270
153 Asp Glu Val Lys Ala Arg Leu Gln Lys Phe Ile His Lys Pro Gly Ser
154 275 280 285
157 Tyr Ile Phe Arg Leu Ser Cys Thr Arg Leu Gly Gln Trp Ala Ile Gly
158 290 295 300
161 Tyr Val Thr Ala Asp Gly Asn Ile Leu Gln Thr Ile Pro His Asn Lys
162 305 310 315 320
165 Pro Leu Phe Gln Ala Leu Ile Asp Gly Phe Arg Glu Gly Phe Tyr Leu
166 325 330 335
169 Phe Pro Asp Gly Arg Asn Gln Asn Pro Asp Leu Thr Gly Leu Cys Glu
170 340 345 350

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Input Set : **A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt**
Output Set: **N:\CRF4\07172006\J539105A.raw**

```
173 Pro Thr Pro Gln Asp His Ile Lys Val Thr Gln Ile Cys Ala Glu Asn
174         355                 360                 365
177 Asp Lys Asp Val Lys Ile Glu Pro Cys Gly His Leu Met Cys Thr Ser
178     370                 375                 380
181 Cys Leu Thr Ser Trp Gln Glu Ser Glu Gly Gln Gly Cys Pro Phe Cys
182 385                 390                 395                 400
185 Arg Cys Glu Ile Lys Gly Thr Glu Pro Ile Val Val Asp Pro Phe Asp
186                 405                 410                 415
189 Pro Arg Gly Ser Gly Ser Leu Leu Arg Gln Gly Ala Glu Gly Ala Pro
190             420                 425                 430
193 Ser Pro Asn Tyr Asp Asp Asp Asp Asp Glu Arg Ala Asp Asp Ser Leu
194         435                 440                 445
197 Phe Met Met Lys Glu Leu Ala Gly Ala Lys Val Glu Arg Pro Ser Ser
198     450                 455                 460
201 Pro Phe Ser Met Ala Pro Gln Ala Ser Leu Pro Pro Val Pro Pro Arg
202 465                 470                 475                 480
205 Leu Asp Leu Leu Gln Gln Arg Ala Pro Val Pro Ala Ser Thr Ser Val
206                 485                 490                 495
209 Leu Gly Thr Ala Ser Lys Ala Ala Ser Gly Ser Leu His Lys Asp Lys
210             500                 505                 510
213 Pro Leu Pro Ile Pro Pro Thr Leu Arg Asp Leu Pro Pro Pro Pro Pro
214         515                 520                 525
217 Pro Asp Arg Pro Tyr Ser Val Gly Ala Glu Thr Arg Pro Gln Arg Arg
218     530                 535                 540
221 Pro Leu Pro Cys Thr Pro Gly Asp Cys Pro Ser Arg Asp Lys Leu Pro
222 545                 550                 555                 560
225 Pro Val Pro Ser Ser Arg Pro Gly Asp Ser Trp Leu Ser Arg Thr Ile
226                 565                 570                 575
229 Pro Lys Val Pro Val Ala Thr Pro Asn Pro Gly Asp Pro Trp Asn Gly
230             580                 585                 590
233 Arg Glu Leu Thr Asn Arg His Ser Leu Pro Phe Ser Leu Pro Ser Gln
234         595                 600                 605
237 Met Glu Pro Arg Ala Asp Val Pro Arg Leu Gly Ser Thr Phe Ser Leu
238     610                 615                 620
241 Asp Thr Ser Met Thr Met Asn Ser Ser Pro Val Ala Gly Pro Glu Ser
242 625                 630                 635                 640
245 Glu His Pro Lys Ile Lys Pro Ser Ser Ser Ala Asn Ala Ile Tyr Ser
246                 645                 650                 655
249 Leu Ala Ala Arg Pro Leu Pro Met Pro Lys Leu Pro Pro Gly Glu Gln
250             660                 665                 670
253 Gly Glu Ser Glu Glu Asp Thr Glu Tyr Met Thr Pro Thr Ser Arg Pro
254         675                 680                 685
257 Val Gly Val Gln Lys Pro Glu Pro Lys Arg Pro Leu Glu Ala Thr Gln
258     690                 695                 700
261 Ser Ser Arg Ala Cys Asp Cys Asp Gln Gln Ile Asp Ser Cys Thr Tyr
262 705                 710                 715                 720
265 Glu Ala Met Tyr Thr Ile Gln Ser Gln Ala Leu Ser Val Ala Glu Asn
266                 725                 730                 735
269 Ser Ala Ser Gly Glu Gly Asn Leu Ala Thr Ala His Thr Ser Thr Gly
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Output Set: **N:\CRF4\07172006\J539105A.raw**

```
270                740                 745                 750
273 Pro Glu Glu Ser Glu Asn Glu Asp Asp Gly Tyr Asp Val Pro Lys Pro
274         755                 760                 765
277 Pro Val Pro Ala Val Leu Ala Arg Arg Thr Leu Ser Asp Ile Ser Asn
278     770                 775                 780
281 Ala Ser Ser Ser Phe Gly Trp Leu Ser Leu Asp Gly Asp Pro Thr Asn
282 785                 790                 795                 800
285 Phe Asn Glu Gly Ser Gln Val Pro Glu Arg Pro Pro Lys Pro Phe Pro
286                 805                 810                 815
289 Arg Arg Ile Asn Ser Glu Arg Lys Ala Ser Ser Tyr Gln Gln Gly Gly
290             820                 825                 830
293 Gly Ala Thr Ala Asn Pro Val Ala Thr Ala Pro Ser Pro Gln Leu Ser
294         835                 840                 845
297 Ser Glu Ile Glu Arg Leu Met Ser Gln Gly Tyr Ser Tyr Gln Asp Ile
298     850                 855                 860
301 Gln Lys Ala Leu Val Ile Ala His Asn Asn Ile Glu Met Ala Lys Asn
302 865                 870                 875                 880
305 Ile Leu Arg Glu Phe Val Ser Ile Ser Ser Pro Ala His Val Ala Thr
306                 885                 890                 895
309 <210> SEQ ID NO: 3
310 <211> LENGTH: 906
311 <212> TYPE: PRT
312 <213> ORGANISM: Homo sapiens
314 <400> SEQUENCE: 3
316 Met Ala Gly Asn Val Lys Lys Ser Ser Gly Ala Gly Gly Gly Thr Gly
317 1               5                   10                  15
320 Ser Gly Gly Ser Gly Ser Gly Gly Leu Ile Gly Leu Met Lys Asp Ala
321             20                  25                  30
324 Phe Gln Pro His His His His His His His Leu Ser Pro His Pro Pro
325         35                  40                  45
328 Gly Thr Val Asp Lys Lys Met Val Glu Lys Cys Trp Lys Leu Met Asp
329     50                  55                  60
332 Lys Val Val Arg Leu Cys Gln Asn Pro Lys Leu Ala Leu Lys Asn Ser
333 65                  70                  75                  80
336 Pro Pro Tyr Ile Leu Asp Leu Leu Pro Asp Thr Tyr Gln His Leu Arg
337                 85                  90                  95
340 Thr Ile Leu Ser Arg Tyr Glu Gly Lys Met Glu Thr Leu Gly Glu Asn
341             100                 105                 110
344 Glu Tyr Phe Arg Val Phe Met Glu Asn Leu Met Lys Lys Thr Lys Gln
345         115                 120                 125
348 Thr Ile Ser Leu Phe Lys Glu Gly Lys Glu Arg Met Tyr Glu Glu Asn
349     130                 135                 140
352 Ser Gln Pro Arg Arg Asn Leu Thr Lys Leu Ser Leu Ile Phe Ser His
353 145                 150                 155                 160
356 Met Leu Ala Glu Leu Lys Gly Ile Phe Pro Ser Gly Leu Phe Gln Gly
357                 165                 170                 175
360 Asp Thr Phe Arg Ile Thr Lys Ala Asp Ala Ala Glu Phe Trp Arg Lys
361             180                 185                 190
364 Ala Phe Gly Glu Lys Thr Ile Val Pro Trp Lys Ser Phe Arg Gln Ala
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Input Set : **A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt**
Output Set: **N:\CRF4\07172006\J539105A.raw**

```
365         195                 200                 205
368 Leu His Glu Val His Pro Ile Ser Ser Gly Leu Glu Ala Met Ala Leu
369     210                 215                 220
372 Lys Ser Thr Ile Asp Leu Thr Cys Asn Asp Tyr Ile Ser Val Phe Glu
373 225                 230                 235                 240
376 Phe Asp Ile Phe Thr Arg Leu Phe Gln Pro Trp Ser Ser Leu Leu Arg
377                 245                 250                 255
380 Asn Trp Asn Ser Leu Ala Val Thr His Pro Gly Tyr Met Ala Phe Leu
381             260                 265                 270
384 Thr Tyr Asp Glu Val Lys Ala Arg Leu Gln Lys Phe Ile His Lys Pro
385         275                 280                 285
388 Gly Ser Tyr Ile Phe Arg Leu Ser Cys Thr Arg Leu Gly Gln Trp Ala
389     290                 295                 300
392 Ile Gly Tyr Val Thr Ala Asp Gly Asn Ile Leu Gln Thr Ile Pro His
393 305                 310                 315                 320
396 Asn Lys Pro Leu Phe Gln Ala Leu Ile Asp Gly Phe Arg Glu Gly Phe
397                 325                 330                 335
400 Tyr Leu Phe Pro Asp Gly Arg Asn Gln Asn Pro Asp Leu Thr Gly Leu
401             340                 345                 350
404 Cys Glu Pro Thr Pro Gln Asp His Ile Lys Val Thr Gln Glu Gln Tyr
405         355                 360                 365
408 Glu Leu Tyr Cys Glu Met Gly Ser Thr Phe Gln Leu Cys Lys Ile Cys
409     370                 375                 380
412 Ala Glu Asn Asp Lys Asp Val Lys Ile Glu Pro Cys Gly His Leu Met
413 385                 390                 395                 400
416 Cys Thr Ser Cys Leu Thr Ser Trp Gln Glu Ser Glu Gly Gln Gly Cys
417                 405                 410                 415
420 Pro Phe Cys Arg Cys Glu Ile Lys Gly Thr Glu Pro Ile Val Val Asp
421             420                 425                 430
424 Pro Phe Asp Pro Arg Gly Ser Gly Ser Leu Leu Arg Gln Gly Ala Glu
425         435                 440                 445
428 Gly Ala Pro Ser Pro Asn Tyr Asp Asp Asp Asp Asp Glu Arg Ala Asp
429     450                 455                 460
432 Asp Thr Leu Phe Met Met Lys Glu Leu Ala Gly Ala Lys Val Glu Arg
433 465                 470                 475                 480
436 Pro Pro Ser Pro Phe Ser Met Ala Pro Gln Ala Ser Leu Pro Pro Val
437                 485                 490                 495
440 Pro Pro Arg Leu Asp Leu Leu Pro Gln Arg Val Cys Val Pro Ser Ser
441             500                 505                 510
444 Ala Ser Ala Leu Gly Thr Ala Ser Lys Ala Ala Ser Gly Ser Leu His
445         515                 520                 525
448 Lys Asp Lys Pro Leu Pro Val Pro Pro Thr Leu Arg Asp Leu Pro Pro
449     530                 535                 540
452 Pro Pro Pro Pro Asp Arg Pro Tyr Ser Val Gly Ala Glu Ser Arg Pro
453 545                 550                 555                 560
456 Gln Arg Arg Pro Leu Pro Cys Thr Pro Gly Asp Cys Pro Ser Arg Asp
457                 565                 570                 575
460 Lys Leu Pro Pro Val Pro Ser Ser Arg Leu Gly Asp Ser Trp Leu Pro
461             580                 585                 590
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/17/2006
PATENT APPLICATION: **US/10/539,105A** TIME: 11:01:52

Input Set : **A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt**
Output Set: **N:\CRF4\07172006\J539105A.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

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VERIFICATION SUMMARY DATE: 07/17/2006
PATENT APPLICATION: **US/10/539,105A** TIME: 11:01:52

Input Set : **A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt**
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date